

In the Claims:

Please add new Claims 18-29 as indicated below. The status of all pending claims is as follows:

1-4. (Cancelled)

5. (Original) An apparatus having an execution unit for executing a machine language, compiling a source program into a machine language directly executable by the execution unit, and executing the machine language in a just-in-time-compiler system, comprising:

a storage unit storing for each function a machine language executable by the execution unit obtained by compiling a function described in the source program, and maintaining stored data after the source program has been executed;

a compiling unit compiling the source program into a machine language executable by the execution unit;

a storage control unit storing the machine language compiled by said compiling unit corresponding to update date and time of the source program compiled by said compiling unit;

a determination unit determining whether or not the update date and time of the source program matches an update date and time corresponding to the machine language stored in said storage unit; and

an execution control unit instructing the execution unit to directly execute either a machine language compiled by said compiling unit or a machine language stored in said storage unit depending on a determination result obtained by said determination unit.

6. (Original) The apparatus according to claim 5, further comprising a read unit reading a program file storing the source program, wherein said storage control unit stores the machine language in said storage unit by assuming that the update date and time of the program file indicated in the program file is the update date and time of the source program corresponding to the machine language; and said determination unit determines whether or not the update date and time of the program file indicated in the program file matches the update date and time stored in said storage unit corresponding the machine language.

7-8. (Cancelled)

9. (Original) An apparatus having execution means for executing a machine language, compiling a source program into a machine language directly executable by the execution means, and executing the machine language in a just-in-time-compiler system, comprising:

storage means for storing for each function a machine language executable by the execution means obtained by compiling a function described in the source program, and maintaining stored data after the source program has been executed;

compiling means for compiling the source program into a machine language executable by the execution means;

storage control means for storing the machine language compiled by said compiling means corresponding to update date and time of the source program compiled by said compiling means;

determination means for determining whether or not the update date and time of the source program matches an update date and time corresponding to the machine language stored in said storage means; and

execution control means instructing the execution means to directly execute either a machine language compiled by said compiling means or a machine language stored in said storage means depending on a determination result obtained by said determination means.

10. (Cancelled)

11. (Original) A method for executing a program based on a just-in-time-compiler system for compiling a source program into a machine language directly executable on a platform of a specific processing system, and executing the machine language, comprising:

storing the machine language obtained by compiling the source program for each function described in the source program corresponding to an update date and time of the source program before compiled into a machine language;

determining whether or not the date and time of the update of the source program matches an update date and time corresponding to the stored machine language; and

setting either the machine language obtained by compiling the source program or the machine language stored in the storage unit to be directly executed on a platform of a specific processing system based on a determination result.

12. (Cancelled)

13. (Original) A computer-readable storage medium storing a computer program used to direct a computer based on a just-in-time-compiler system to compile a source program into a machine language directly executable on a platform of a specific processing system, and execute the machine language, comprising:

storing the machine language obtained by compiling the source program for each function described in the source program corresponding to an update date and time of the source program before compiled into a machine language;

determining whether or not the date and time of the update of the source program matches an update date and time corresponding to the stored machine language; and

setting either the machine language obtained by compiling the source program or the machine language stored in the storage unit to be directly executed on a platform of a specific processing system based on a determination result.

14. (Cancelled)

15. (Original) A computer program embodied on a transmission medium used to direct a computer based on a just-in-time-compiler system to compile a source program into a machine language directly executable on a platform of a specific processing system, and execute the machine language, comprising:

storing the machine language obtained by compiling the source program for each function described in the source program corresponding to an update date and time of the source program before compiled into a machine language;

determining whether or not the date and time of the update of the source program matches an update date and time corresponding to the stored machine language; and

setting either the machine language obtained by compiling the source program

or the machine language stored in the storage unit to be directly executed on a platform of a specific processing system based on a determination result.

16. (Cancelled)

17. (Original) A computer data signal embodied in a carrier wave containing a computer program used to direct a computer based on a just-in-time-compiler system to compile a source program into a machine language directly executable on a platform of a specific processing system, and execute the machine language, said computer program comprising:

storing the machine language obtained by compiling the source program for each function described in the source program corresponding to an update date and time of the source program before compiled into a machine language;

determining whether or not the date and time of the update of the source program matches an update date and time corresponding to the stored machine language; and

setting either the machine language obtained by compiling the source program or the machine language stored in the storage unit to be directly executed on a platform of a specific processing system based on a determination result.

18. (New) The apparatus according to claim 5, wherein the machine language compiled for each function stored in the storing unit is stored in RAM.

19. (New) The apparatus according to claim 9, wherein the machine language compiled for each function stored in the storage means is stored in RAM.

20. (New) The method according to claim 11, wherein the machine language compiled for each function stored in the storage means is stored in RAM.

21. (New) The medium according to claim 13, wherein the stored machine language is stored in RAM.

22. (New) The computer program according to claim 15, wherein the stored machine language is stored in RAM.

23. (New) The computer data signal according to claim 17, wherein the stored machine language is stored in RAM.

24. (New) The apparatus according to claim 5, wherein said storage unit also has stored thereon a standard source program compiled from an original source program.

25. (New) The apparatus according to claim 9, wherein said storage means also has stored thereon a standard source program compiled from an original source program.

26. (New) The method according to claim 11, wherein the storage unit also has stored thereon a standard source program compiled from an original source program.

27. (New) The medium according to claim 13, wherein the storage unit also has stored thereon a standard source program compiled from an original source program.

28. (New) The program according to claim 15, wherein the storage unit also has stored thereon a standard source program compiled from an original source program.

29. (New) The signal according to claim 17, wherein the storage unit also has stored thereon a standard source program compiled from an original source program.